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This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

CLAIMS

1. (Cancelled)

2-27. (Previously Cancelled)

28. (New) A filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation comprising:

a non woven fabric formed from artificial, synthetic fibers cut or in monofilaments and their mixtures previously treated with anti-bacterial compounds;

wherein the fibers are selected from a group consisting of:

- a) natural polymer chemical fibers which have or have not been modified,
- b) synthetic polymer chemical fibers,
- c) glass fibers,
- d) carbon fibers,
- e) other fibrous materials,
- f) bicomponents, and
- g) polycomponents.

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29. (New) A filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 28 wherein:

said non woven fabric is formed from a mixture two or more fibers and wherein said mixture of two or more fibers is in a proportion of 0.5 to 99.5%.

30. (New) A filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 28 wherein:

said fibers have

- a fiber thickness in the range of 0.02 to 1,500 deniers;
- a cross section selected from a group consisting of: circular, square, elliptical, hollow, trilobal, flat and similar;
- a length in the range of 0.1mm to 500mm or continuous filaments;
- a density in the range of thicknesses of 0.1 to 15cm;
- a weight in the range of from 5 to 2,500 grams;
- a fusion point in the range of from 60° C to 450° C; and
- a range in color from translucent / white to black and any combinations thereof.

31. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation comprising:

- selecting fibers which has previously been treated with an antibacterial additive;
- weighing said selected fibers from a group of said fibers in a fiber mixture;

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- mixing said selected fibers;
- forming a web or felt layer from said selected fibers;
- superimposing several of said web or felt layers from said selected fibers;
- joining one or more of said web or felt layers with one or more layers of intermediate mesh and supports to form a non woven fabric;
- applying to said non woven fabric a finishing treatment selected from a group consisting of thermofusion additives and compounds for different treatments for special finishes for each application;
- cutting said non woven fabric;
- rolling said non woven fabric; and
- formatting said non woven fabric.

32. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 31 further comprising:

preforming at least one or any combination of the following processing steps selected from a group consisting of:

- weighing said selected fibers which have been previously treated with said antibacterial additive;
- mixing of said weighed fibers;
- feeding said weighed fibers into a carding machine;

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- directing and mixing said weighed fiber or weighed fibers in said carding machine to  
form said web;
- forming a felt by folding and creasing of one or more said webs in a cross lapper;
- reducing the thickness of said felt in a pre-needle puncher;
- needle punching of said felt with one or more needle plates;
- structuring said felt;
- calendaring said felt;
- thermofixing or inducting said felt;
- formatting said felt;
- cutting said felt; and
- rolling said felt.

33. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 31 further comprising:

- weighing said selected fibers which have been previously treated with said antibacterial  
additive;
- mixing of said weighed fibers;
- feeding said weighed fibers into a carding machine;
- directing and mixing said weighed fiber or weighed fibers in said carding machine to  
form said web;

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- forming a felt by folding and creasing of one or more said webs in a cross lapper;
- reducing the thickness of said felt in a pre-needle puncher;
- needle punching of said felt with one or more needle plates;
- structuring said felt;
- calendaring said felt;
- rolling said felt and formatting said felt.

34. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 31 wherein:

- weighing said selected fibers which have been previously treated with said antibacterial additive;
- mixing of said weighed fibers;
- feeding said weighed fibers into a carding machine;
- directing and mixing said weighed fiber or weighed fibers in said carding machine to form said web;
- forming a felt by folding and creasing of one or more said webs in a cross lapper;
- reducing the thickness of said felt in a pre-needle puncher;
- needle punching of said felt with one or more needle machines;
- structuring said felt;
- thermofixing said felt;

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- rolling said felt and formatting said felt.

35. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 31 further comprising:

- weighing said selected fibers which have been previously treated with said antibacterial additive;
- mixing of said weighed fibers;
- feeding said weighed fibers into a carding machine;
- directing and mixing said weighed fiber or weighed fibers in said carding machine to form said web;
- forming a felt by folding and creasing of one or more said webs in a cross lapper;
- reducing the thickness of said felt in a pre-needle puncher;
- needle punching of said felt with one or more needle plates;
- structuring said felt;
- inducing said felt with resins;
- drying said felt;
- rolling said felt and formatting said felt.

36. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 31

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further comprising:

- weighing said selected fibers which have been previously treated with said antibacterial additive;
- mixing of said weighed fibers;
- feeding said weighed fibers into a carding machine;
- directing and mixing said weighed fiber or weighed fibers in said carding machine to form said web;
- forming a felt by folding and creasing of one or more said webs in a cross lapper;
- reducing the thickness of said felt with a thickness regulator;
- needle punching of said felt with one or more needle machines;
- thermofixing using calendars, infra-red, hot gas or air;
- rolling said felt and formatting said felt.

37. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 31

further comprising:

- weighing said selected fibers which have been previously treated with said antibacterial additive;
- mixing of said weighed fibers;
- feeding said weighed fibers into a felting machine;
- directing and mixing said weighed fiber or weighed fibers in said carding machine to

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form said web;

- forming a felt by projecting said fiber onto a grid;
- reducing the thickness of said felt with a thickness regulator;
- needle punching of said felt with one or more needle plates;
- thermofixing using calendars, infra-red, hot gas or air;
- rolling said felt and formatting said felt.

38. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 31 further comprising:

- mixing chippings from chippings treated with Legionella anti-bacterials;
- extruding chippings;
- forming the fibers in monofilaments and continuous filaments;
- forming a web;
- forming a felt by projecting the fiber onto a grid;
- reducing the thickness of the felt with a thickness regulator;
- needle punching the felt with one or more machines;
- thermofixing using calendars, infra-red, hot gas or air;
- rolling and formatting said felt.

39. (New) A method of producing a filter for filtration and elimination of Legionella



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Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 31  
further comprising:

- weighing said selected fibers which have been previously treated with said antibacterial additive;
- mixing of said weighed fibers;
- feeding said weighed fibers into a felting machine;
- directing and mixing said weighed fiber or weighed fibers in said carding machine to form said web;
- forming a felt by disorientating, folding and creasing one or more webs, in a cross lapper or felting machine;
- sewing the felt with one or more machines;
- structuring the felt;
- thermofixing;
- rolling said felt and formatting said felt.

40. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 31  
further comprising:

forming a compound and sandwiching non woven fabrics formed from other treated or non treated woven and non woven fabrics with a material selected from a group consisting of polypropylene, polyethylene, polyester, glass fiber, aluminum, steel, and mechanically or

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thermally treated or untreated foam with additives mesh supports.

41. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 31 further comprising:

- mixing chippings from a group of chippings consisting essentially: high and low density polyethylenes, PVC, Nylon, Teflon, Silicons, Polyesters, Polycarbonates, Metacrylite, Polyolephines, Hydrocarbons in chain, Thermohardeners, Thermoplastics which were treated with Legionella anti-bacterials
- extruding chippings and/or fluid mixture;
- injecting the product;
- structuring or laminating the compound;
- covering or not covering the treated or untreated non woven fabric;
- calibrating the thickness of the compound with a thickness regulator;
- drying and poymerising;
- thermofixing using calendars, infra-red, hot gas or air and;
- rolling and formatting said felt.

42. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 31 further comprising:

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- mixing chippings from chippings selected from a group consisting essentially of high and low density polyethylenes, PVC, Nylon, Teflon, Silicons, Polyesters, Polycarbonates, Metacrylite, Polyolephines, Hydrocarbons in chain, Thermohardeners, Thermoplastics, nitrogen mixtures, helium, phenols, inert gas, Aphodicarbonamides, foam making liquids, polyol, TDI, Toluene isozionate, Polyester, HR, etc wherein said chippings from said selected group has a thicknesses up to 125 cm<sup>3</sup> and is treated with Legionella anti-bacterials;
- extruding chippings and/or fluid mixture;
- injecting the product;
- structuring or laminating the compound;
- covering or not covering the treated or untreated non woven fabric;
- calibrating the thickness of the compound with a thickness regulator;
- drying and polymerising;
- thermofixing using calendars, infra-red, hot gas or air;
- rolling and formatting said felt.

43. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 28 wherein:

said anti-bacterial treated compounds were treated using a compound or mixture in solid or liquid form selected from a group consisting of silver based derivatives, phenoyhalogenate

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derivatives with transporters, plus permethrin derivatives, isothiazolinone derivatives, tetraalkylammonium silicons, organozinc compounds, zirconium phosphates, sodium, or other products likely to comply with this anti-Legionella bactericide.

44. (New) A method of producing a filter for filtration and elimination of Legionella Pneumophila in cooling equipment, heat exchangers, tanks, containers, ventilators and any other equipment which accumulates water and may spread it as aerosol comprising:

treating the filter with an anti-bacterial treatment process carried out directly on a non woven fabric, a filter or a injected filtration sheet including using a preparations selected from a group consisting of silver based derivatives, phenylhalogenate derivatives with transporters, plus permethrin derivatives, isothiazolinone derivatives, tetraalkylammonium silicons, organozinc compounds, zirconium phosphates, sodium, triazine, oxazolidines, isothiazolones, herminiformal, ureides, isocyanates, chlorine derivatives, formaldehydes, carbeneacime, or chippings or a mixture of chippings treated with similar products

45. (New) A method of producing a filter for filtration and elimination of Legionella Pneumophila in cooling equipment, heat exchangers, tanks, containers, ventilators and any other equipment which accumulates water and may spread it as aerosol of claim 44 further comprising:

treating said non woven fabric and/or said injected filtration sheet using copper, zinc, or tin derivatives or any other metal element with the ability to release positive and negative ions

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and which produces a product.

46. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in cooling equipment, heat exchangers, tanks, containers, ventilators and any other equipment which accumulates water and may spread it as aerosol of claim 44 further comprising:

adding additives by pouring a mainly aqueous medium bath, spraying, atomizing, sheeting, inducting, thermofixing, applying, injecting, immersing in any medium and any other common procedure in industrial fabrics, plastics and foams which are equivalent to those listed wherein said additives found in forms of microscopic powders, applications in solution, suspension or aqueous emulsion or other liquid form and are selected from a group of additives consisting essentially of: polyethylene, polyamide, EVA chippings, EVA, hot melt adhesives or any other like material and their mixtures.

47. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in cooling equipment, heat exchangers, tanks, containers, ventilators and any other equipment which accumulates water and may spread it as aerosol comprising:

obtaining fibers from a process selected from a group consisting essentially of: manipulation of artificial and synthetic fibers, and injected filtration structures forming felt and sheets;

and treating said felt, sheets, non woven fabrics and filters directly on said felt, sheets, non woven fabrics and filters with preparations selected from a group consisting essentially of:

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silver based derivative, phenoyhalogenate derivatives with transporters, permethrine derivatives, isothiazolinone derivatives, tetraalkylammonium silicons, organozinc compounds, zirconium phosphates, sodium, triazine, oxazolidines, isotiazolones, hermi-formals, ureides, isocynates, chorine derivatives, formaldehydes, carbenacime, or chippings or a mixture of chippings treated with similar products; and

adding additional amounts of said felt, sheets, non woven fabrics, and filters can be used against all types of Legionella, anthrax A and B flu, Avian flu, and Acute Serious Respirator Syndrome (ASRS) in which additional compounds are used and said additional compounds are selected from a group consisting essentially of:

Glutaraldehyde, Hypochlorite salts, Chloroisocyanurates, Sodium bromide, 2,2-dibromo-3-nitrilopropionamide (DBNPA), N-trichloromethyl-thio)ftalamide (Folpet), 10.10'-oxibisphenox arsine (OPA), Denatonium Benzoate, 1-bromo,1-bromomethyl-1.3 propanodicarbonitrile, Tetrachloroisoeftalonitrile, Poly(oxyethylene)(dimethylimine)ethylene (dimethylim)ethylendichloride, Methylene bithiocyanate (MBT), Dithiocarbamate, Cyanodithiomidocarbomate, 2-(2-bromo-2-nitroethenylfuran (BNEF), Beta-bromo-beta-nitroestyrene (BNS), Beta-nitroestyrene (NS), Beta-nitrovinylfuran (NVF), 2-bromo-2-bromomethyl-glutaronitrile (BBMGN), 1.4-bis(bromoacetoxy)-2-butene, Acroline, Bis(tributyltin) oxide (TBTO), 2-(tert-butylamine)-4-chloro-6-(ethylamine)-s-triazine, Tetraalkyl phosphonium chloride, 7-oxabicycle[2.2.1]heptane-2.3-dicarboxylic acid, 4-5dichloro-2-n-octil-4-isozialine-3- dicarboxylic acid, 1-bromo-3-chloro-5.5-dimethyl-danton (BCD), Zinc piriton, 2-methyl-5-nitromidazol-1-ethanol, 2-bromo-2-nitropropane-1.3diol

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2-(tiocyanomethylthio)benzotiazol (TCTMB), Terpineol, Timol, Chloroxylenol, C12-C15 etoxiade fatty alcohol, 1-metoxi-2-propanol, 2-decylthioethylamine (DTEA), Alkyldimethylbenzylammonium chloride, Tetrahydro-3.5-dimethyl-2H-1.3.5-hydrazine-2-tione, 2-bromo-4-hydroxiacetophenone, 2-N-octil-isothiazolin-3-one (OIT), Alkyldimethylamine coco oxide, N-coco alkyltrimethylenamine, 4-5-dichloro-2-n-octil-4-isozialine-3-one, Tetralkylammonium silicon, Bis(trichloromethyl) sulphone, S-(2-hydroxipropyl)tiomethanosulphonate, Tetrakishydroximethyl phosphonium sulphate (THPS), Mercaptopyridine N-oxide (pyritione), Copper sulphate, Basic copper carbonate, Copper and ammonium carbonate, Copper hydroxide, Copper oxychloride, Cupric oxide, Cuprous oxide, Copper and calcium powder, Copper silicate, Copper sulphate, Copper sulphate and tribasic potassium (Bordeaux mixture), 4.5-dichloro-isothiazolinone (DCOIT), Butyl-benziisothiazolinone (butyl-BIT), Methylisothiazolone, 2-N-actil-isothiazolin-3-one (OIT), Dodecylguanide acetate, Dodecylguanade hydrochloride, Polyhexamethylenbiguanide (PHMB), 3-trimethoxy sylildimthyloctadecyl ammonium chloride (Silanequat), Alkyl dimethyl benzylammonium chloride, 4-methylbenzoate dodecyl-di-(2-hydroxethyl)-benzyl ammonium, 5-chloro-2-(2.4-dichlorophenexi) phenol, 2.4.4'-trichloro-2'-hydroxyphenyl ether (Triclosan), m-phenoxybenoil-3-(2.2-dichlorovinyl-dimethylcyclo propane carboxylate, Trichlorophenoxyphenol (TCP8), 1.23.benzothiadiazol-7-acid, Thiocarboxylic-s- methyl ester, 4-chloro-3-methyl-phenol, Timol, Saligenin, O-phenylphenol, Methyline blue, Brilliant green, Gentian violet and dimethyl gentian violet, Poly vinyl pyrrolidone, Iodated povidone, Adamantanes, Amantadine, Rimantadine, Zanamivir, Oseltamivir or ribivarin, Tributyl tin and

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derivatives and Sodium thiosulphate, Chloroneb, Chlorotalonil, Dichloran, Hexachlorobenzene, Pentachloronitrobenzene, Metam-sodium, Tirad, Ziram, Ferbam, Maneb, Zineb, Nabam, Mancozeb, Thiophthalamides, Captan, Captafol, Folpet, Copper Phenylsalicylate, Copper Linoleate, Copper Naphthenate, Copper Oleate, Copper Quinolinolate, Copper Resinate, Phenylstanic acetate, Phenylstanic chloride, Phenylstanic hydroxide, Triphenylstane, Cadmium chloride, Cadmium succinate, Cadmium sulphate, Anilazine, Benomyl, Cycloheximide, Dodine, Etridiazol, Iprodione, Metalaxyl, Thiabendazole, Triadimefon, Tonaphtate (O-2-Naphtyl m, N-dimethylthiocarbanylate), Fluoroquinolones:, Fleroxacin, Cyprofloxacin, Chlorohexadine gluconate, Zirconium sodium phosphate, Aluminiums, Calys, Zeolites, Exchange resins.

48. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in cooling equipment, heat exchangers, tanks, containers, ventilators and any other equipment which accumulates water and may spread it as aerosol of claim 44 further comprising:

optimizing the filtration capacity of the filter by adding additives during the manufacturing process which facilitate the absorption of organic biomaterial;

wherein said additives are selected from a group consisting essentially of adhesives, silica gel, activated carbon fibers, zeolites, ionic exchange resins, diatomea and perlite soils and mixtures thereof.

49. (New) A method of producing a filter for filtration and elimination of Legionella



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Pneumofila in cooling equipment, heat exchangers, tanks, containers, ventilators and any other equipment which accumulates water and may spread it as aerosol of claim 44 wherein:

manufacturing the filter includes the use of a filter membrane and plate manufacturing processes.

50. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in cooling equipment, heat exchangers, tanks, containers, ventilators and any other equipment which accumulates water and may spread it as aerosol of claim 44 wherein:

treating of the fibers further includes plasma activation, carbon activation and a combination of the two.

51. (New) A method of producing a filter for filtration and elimination of Legionella Pneumofila in cooling equipment, heat exchangers, tanks, containers, ventilators and any other equipment which accumulates water and may spread it as aerosol of claim 44 further comprising:

obtaining the filter by conventional filament fabric methods.

52. (New) A filter for filtration and elimination of Legionella Pneumofila in any installation at risk from Legionella Pneumofila proliferation of claim 28 further comprising:

obtaining the filter by conventional filament fabric methods.